

What is claimed is:

1. An optical pulse generating apparatus,
comprising:

5 a light source outputting single wavelength light;
and

an optical pulse generating unit generating an
optical pulse by generating modulation spectrum
components by performing phase modulation for light from
10 said light source, and by adjusting phases of wavelengths
of the modulation spectrum components included in
generated light.

2. An optical pulse generating apparatus,
15 comprising:

a light source outputting single wavelength light;
and

an optical pulse generating unit generating an
optical pulse by performing phase modulation for light
20 output from said light source, and by selecting, with
a wavelength selector, wavelength components phases of
which are aligned among the modulation spectrum
components included in the generated light, and which
are different from said light source.